

FOOT 50886660

1/7

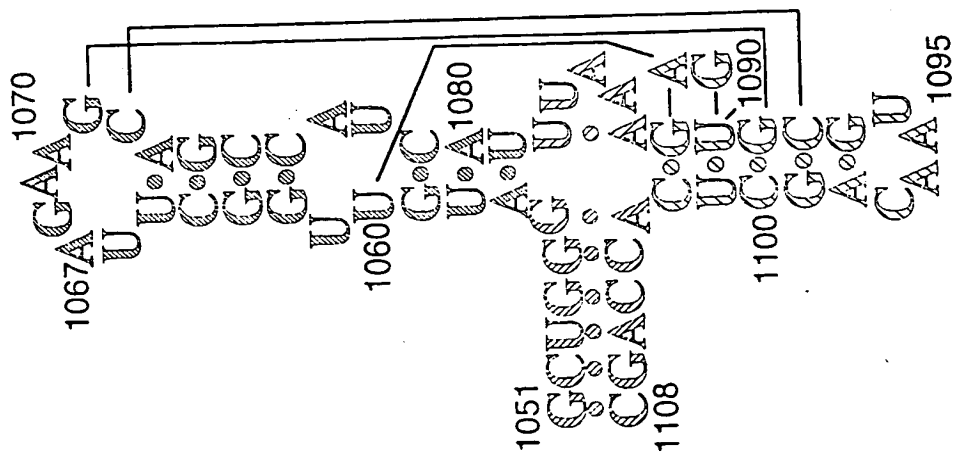


FIG. 1a

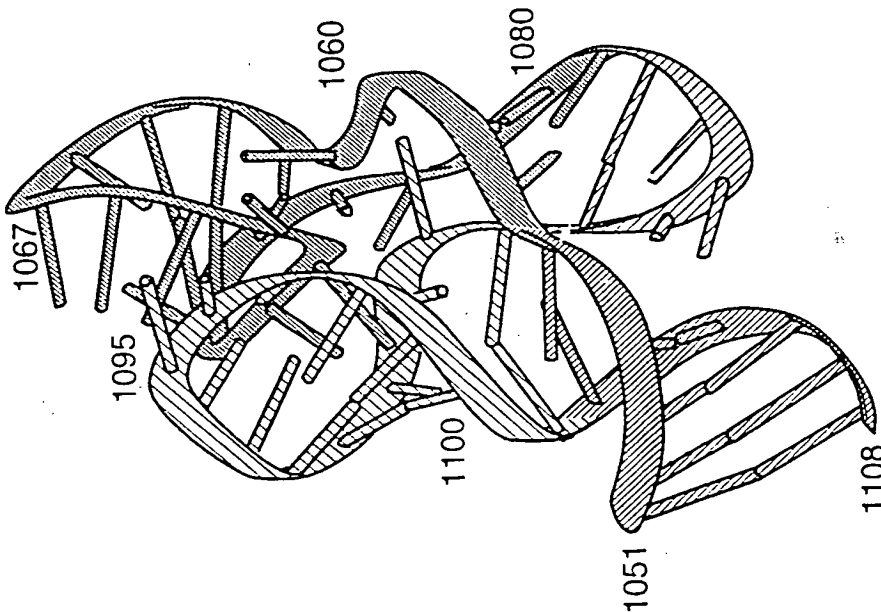


FIG. 1b

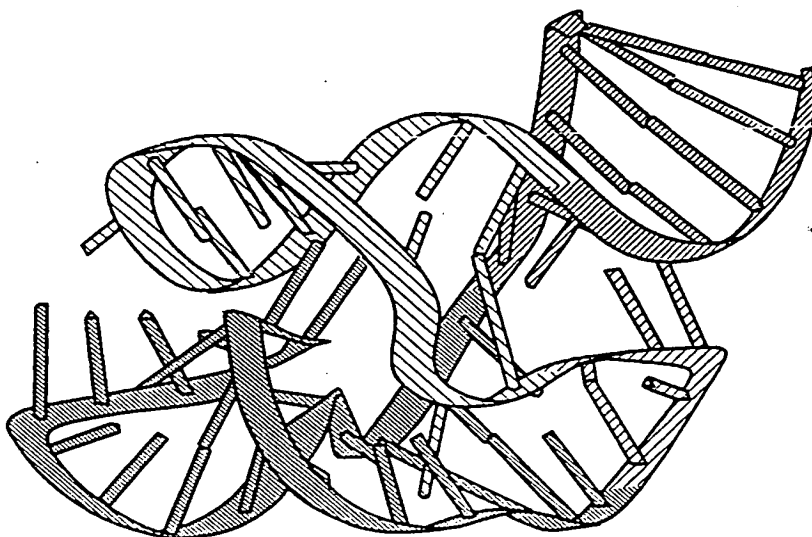


FIG. 1c

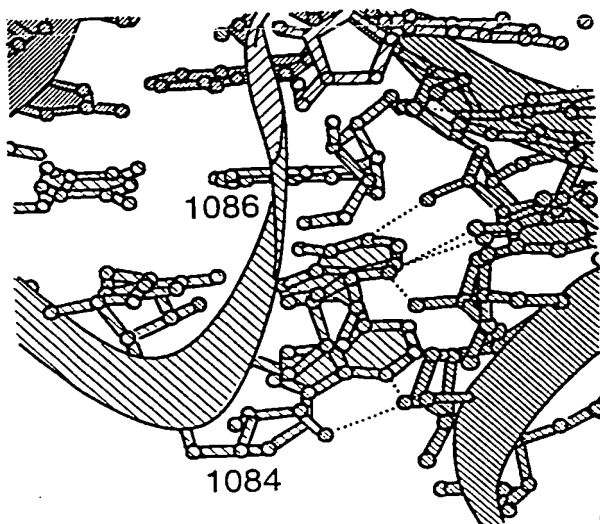


FIG. 2a

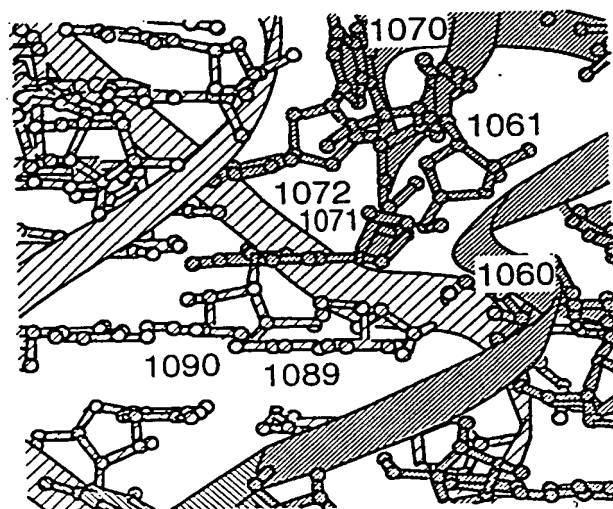


FIG. 2b

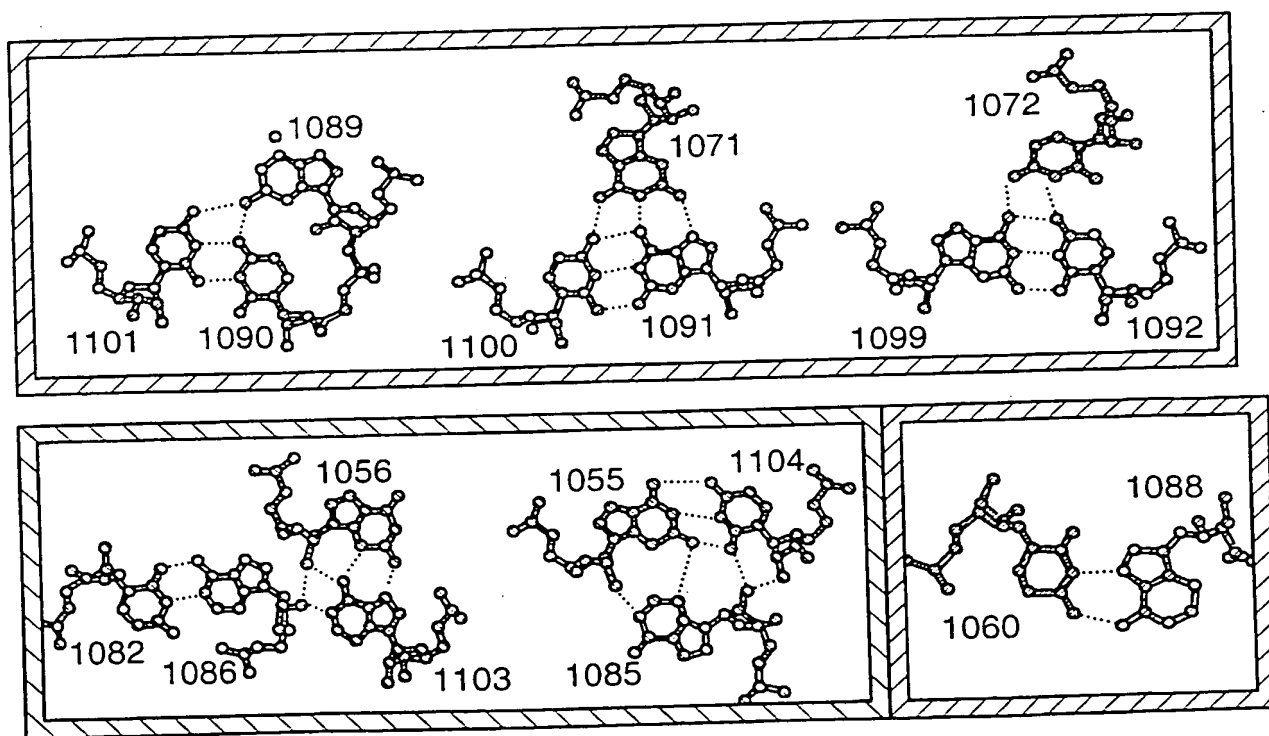


FIG. 2c

101011 50886660

3/7

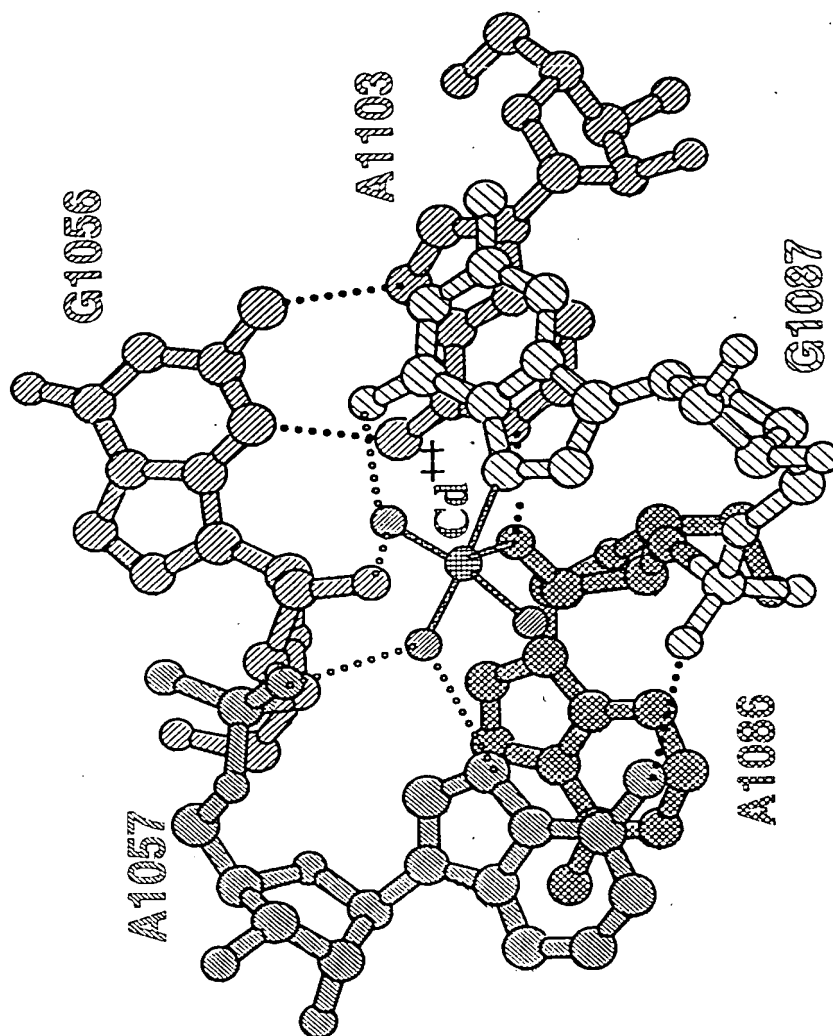


FIG. 3b

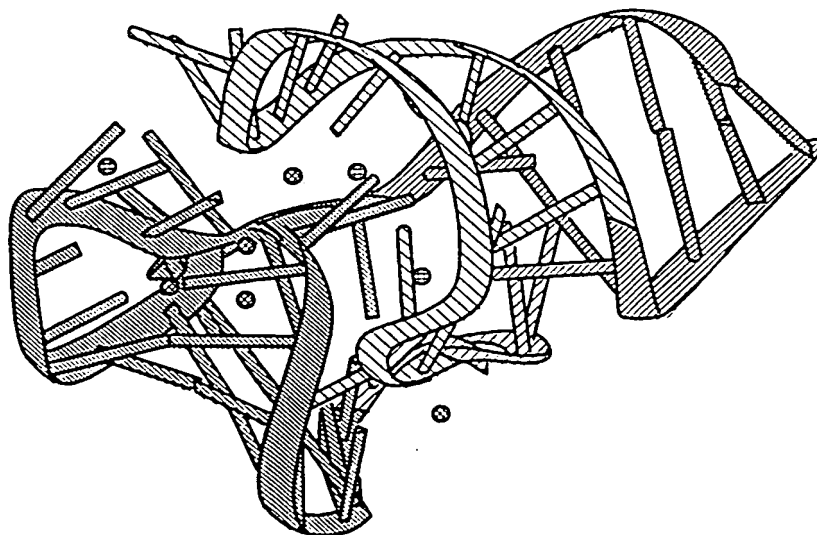


FIG. 3a

FOOT 5088660

FOUO 5038660

1 10 20 30 40

E coli ...MAKKVQ AYKQAAAG MANSPPPVGP ALGQQGVNIM EFCKAFNAKT
T marit ...MAKKA AQKQAPAG KATPAPPVGP ALGQHGVMIM EFCKRFNAET
Sulf acMPT KTKKVEGG SAKPGPPLGP TLSQLGLNVQ EVVKINDVT
Sacc corMPPKFDPEV KYYLAVGG EVGASAAALAP KIGPLGLSPK KVGEDIAKAT

$\beta 1$ $\alpha 1$ $\alpha 2$

50 60 70 80 90

E coli DSIEKG...VVTVT.ADR SETV...P AV...KAG...KS...CKP
T marit AD.KAG...VVTY.EDK AT...P ...KAG...E...EP
Sulf ac AQFK.G...VTKDSSTK KDKKGT...SALKAN...QEN...DP
Sacc corKEFK.G...VQLQMRQA AS...VS...S...ITALK EPPDRKKDK

$\beta 2$ $\beta 3$ $\alpha 3$ $\alpha 4$ $\alpha 5$ LOOP 6

100 110 120 130 140

E coli ...DKVGKSR AQQEL...Q...AAATGADIE...R...GLVVED.
T marit ...KIVGKTR KQFF...K...MP...NANSL...K...E...R...GLVVD.
Sulf ac ...KIGNDL EQAD...I...K...S...TILT...K...L...R...GLTVEGK
Sacc cor NVKHSGNQL DELIE...K...M...RD...S...G...TIA...K...L...Q...Y...G...RVDFK

$\beta 4$ $\alpha 4$ $\alpha 5$ $\beta 5$

FIG. 4a

5/7

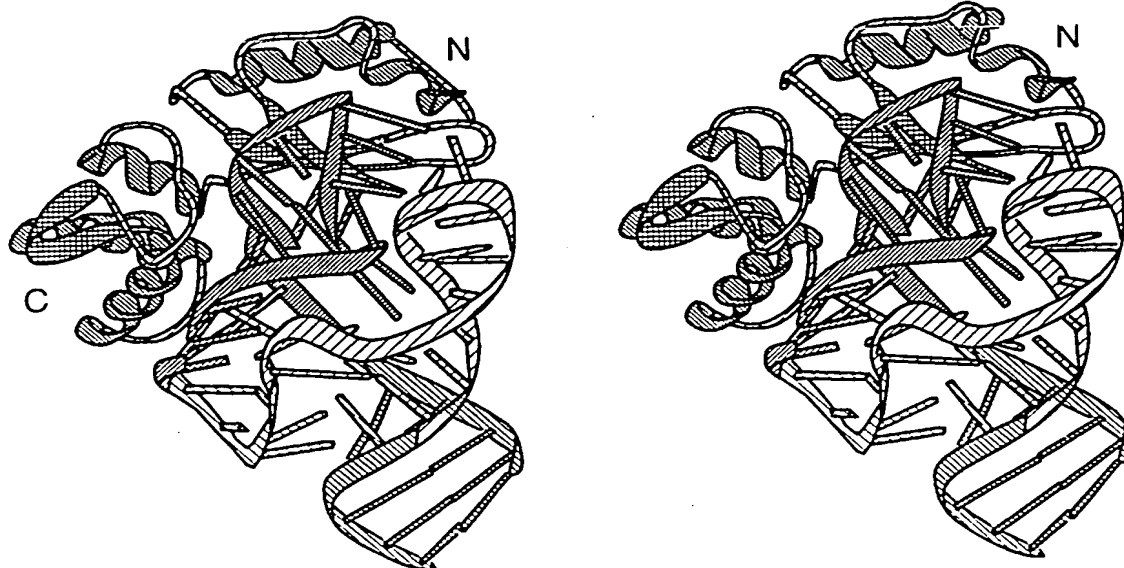


FIG. 4b

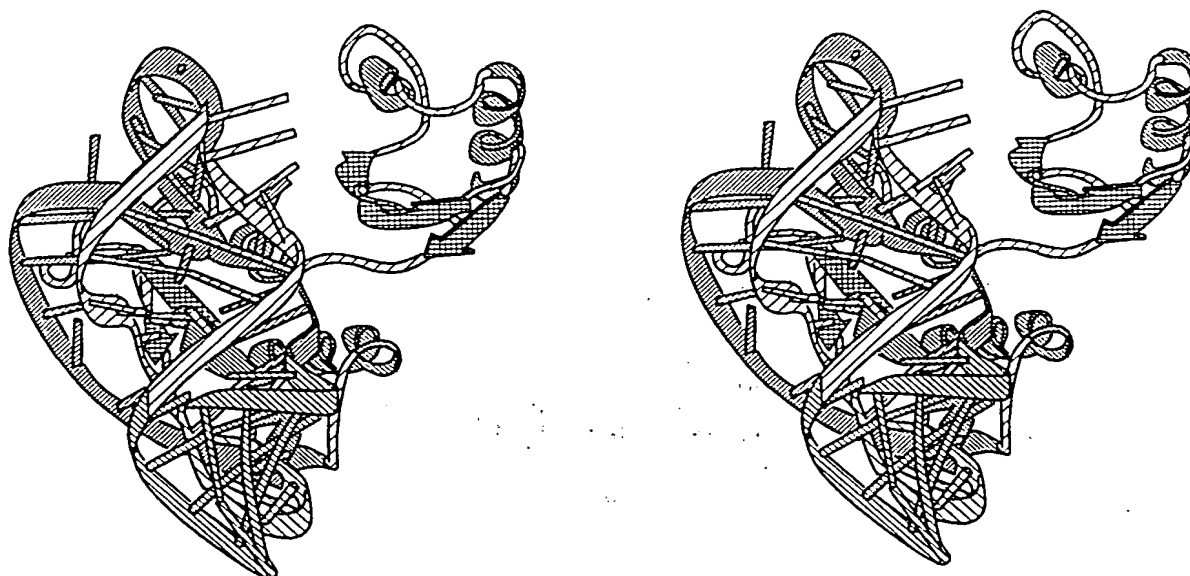


FIG. 4c

00008805 110101

6/7

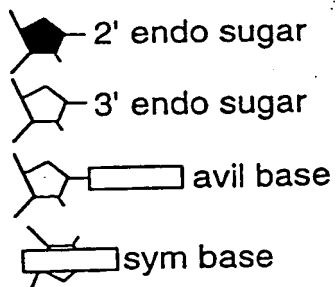
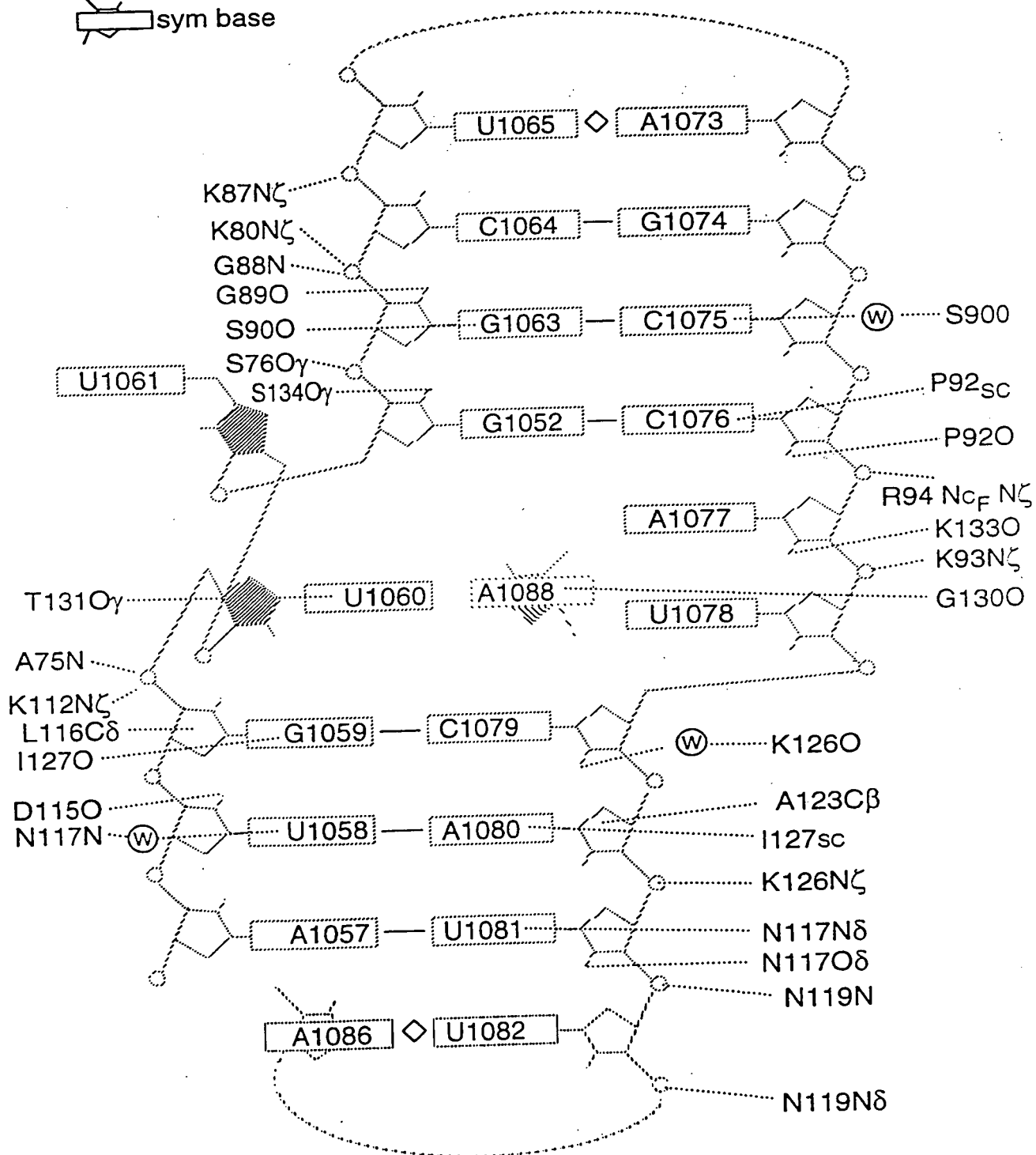


FIG. 5a



FOOT-50886660

